Unnecessary Loss In Best Yields Brought Out By Government Experiments be improper thinning. In this coun- is obviously more advanced than in

More Careful Cultural Methods by Beet Growers contract. It is seldom efficiently sup- must be enormous. This total is to Would Mean Greater Profits For Labor P.rformed and Greater Yields From Land.

partment of Agriculture has recently eight. tural methods that appear identical, cent of this standard. there is the widest range in the yield.

Experiment.

If you suffer from backache; headaches or dizzy spells; if you rest poorthe kidney secretions are irregular drills, late frosts, the damping off by the fact that it was carried on in operated on for ulcer of the stomach, and unnatural in appearance, do not delay. In such cases the kidneys often

need help. Doan's Kidney Pills are especially prepared for kidney trouble—they are recommended by thousands. Can residents desire more convincing proof than the statement of this grateful

Percy Humm, farmer, R. R. No. 4, St. Louis, Mich., says: "I had a great deal of trouble from bad pains in the small of my back and I often got lame. I used Doan's Kidney Pills and they cared me. That was two years ago and I haven't had any signs of kidney complaint since. We always recommend Doan's Kidney Pills whenever we know of anyone having kid

Price 50c; at all dealers. Don't simply ask for a kidney remedy-get Doan's Kidney Pulls the same that Mr. Humm had. Foster-Milharn Co., Props., Buffalo, N Y.



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The above advertisement has appeared in pair magazines. Send my 25 cents for 21

naily magazines. Send me 25 cents for 24 nigh class asserted post cards, and I will send you the Rat and Mice exterminator rewritt FREE. Your money returned if you are not antirely astisfied. Address

MILTON BOSS. (42) 17th Ave. Rock latence Di

causes for these differences. The investigations into this problem were mately 25 per cent. yield of sugar beets per acre in the carried on in Utah for a period of After thinning there was further would be held on Thursday, August United States is lower, with the ex- three years. The investigators reached loss in the field before the harvest, 12, in conjunction with the South ception of Russia, than that of any the conclusion that the variations in Some plants were destroyed by the Haven and Casco Pomological Society, of the other beet-producing countries, yield were due to deficiencies of stand, hand hoe, some by the horses, or by and the Ganges and Saugatuck Herti-In Germany, the average is 14.84 tens. Frevious investigations had shown earelessness with the cultivator. The cultural Society at the farm of Mr. Russia, 8.93, and in the United that the ideal stand for sugar beets total loss from these sources was es- Ames Tucker, three miles west of States, 19.17. Climatic conditions, the may be taken as 39,200 placts per timated at an average of approxi- Brave on the Pere Marquette Rail- own food with electricity. character of the soil, and the relative acre-the result of leaving beets mately 7 per cent. Thus, in the ex- way. Mr. Tucker's farm is in the cost of labor and land which pre- eight inches apart in rows 20 inches perimental plots, which furnished the heart of the Michigan Original Fruit vents as much work being spent on apart. A larger stand than this undata for the investigations, there was Belt, about midway between Fennyille each acre as is done in Europe, ac- der ordinary conditions causes over- a total deficiency of over 50 per cent and South Haven. Mr. Tucker is one count, of course, for much of the dif- crowding, a smaller stand means in the stand, with a corresponding de- of the most advanced fruit growers in ferences in yield. But even when no waste of land. It was found, however, crease in the yield. such factors have to be taken into con- that without actually counting the The remedy for this loss appears place for this meeting. Automobiles sideration, in the same localities, on plants, it was impossible to distinguish to be greater care. In particular, the will meet the trains at Brave and fore the war started. soil of the same character, under cul- between stands of 50, 60 or 80 per elimination of contract work is recom- convey members and friends to the

per cent. The causes for this may be the row,

disease, or the ravages of such pests a district where the average yield per as flea bettles, cut worms, or wire- acre is 17 tons as compared with an

in the stands, however, was found to found in a region where beet culture poor class of hired labor or else by throughout the entire United States ervised and the laborers receive the a great extent preventable, for, as has same pay whether it is properly or been shown, it is due less to natural improperly done. The investigators conditions than to defects in cultural found that almost invariably the space methods. The experiments are con-Washington. D. C .- Variations in It is no uncommon thing to find one left between the plants was greater tained in Department Bulletin No. 238, the yield of sugar beets under tarmer hauling 20 tons of beets from than the farmer intended it to be, which is now ready for mailing. apparently similar conditions are so each acre to the factory when his although this fact was not apparent striking that the United States De- neighbor can barely muster seven or after the plants attained a moderate | Benton Harbor-It was announced growth. The average loss from this today by Robert A, Smythe of this city conducted an investigation into the The Department of Agriculture's source was estimated to be approxi- that the midsummer meeting of the

mended, since it is hardly possible to meeting. An auto trip will be made The loss occurred in the germina- expect contract laborers to exercise in the morning, followed by a big pic- yearly spend \$500,000,000,000 for medition stand before thinning, during the the proper amount of care and dis- nic dinner at Mr. Tucker's, and an inprocess of thinning and blocking, and cretion. On one European farm which formal meeting in the afternoon. A BIT OF ADVICE during the cultural operations be- is worked on scientific principles, 40 tween thinning and harvesting. In cents additional per acre is paid the Grand Rapids-William F. Blake is the Department's experiment, it was men if 28,000 beet plants remain in recovering very nicely from his recent First-Don't Delay. Second-Don't found that the germination stand sus- the field after the second cultivation, operation in the U. B. A. hospital. tained an average loss of close to 20. The beets must be 11 inches apart in Mr. Blake is one of the prominent

ly and are languid in the morning; if seed bed, imperfect operation of seed tion in the United States is increased the Judson Grocer company. He was

M. C. M. Students Underground

average of the entire country of only The greatest single source of loss 10.17. If losses of such size can be try this work is usually done by a most other regions, the total loss

> Michigan State Horticultural Society the state, and his farm is an ideal save one hundred million dellars, the

wholesale grocers of the city. He has found in poor preparation of the The significance of this investiga- been connected for many years with

Current Events

By Paul Leake

of timber is cut from that part of the 100 miopted children in his home. state of Washington lying west of the Cascade mountains.

Mrs. F. E. Cronkhite of Denver is suing her husband for divorce, alleging he is entirely too fond of kissing rescue ropes to wounded soldiers in her five attractive single sisters.

In Philadelphia fathers who neglect on the stone pile.

The production of cheese in the exceeds 320,000,000 pounds a year.

recently, each guest cooked his or her persons and entailing a loss of 1,754.

During 1914 Harvard college received in gifts the sum of \$995,000.

American tourists will this year sum they annually spent abroad be- reported as saying that the shortage

Frank Page, of Dodge City, Kansas, got lost by trying to take a short cut through a 1,500 acre field of wheat and after three day's wandering was rescued by a searching party.

Although the climate of Brazil is favorable to poultry raising but few chickens are raised in that country.

Salem. Mass., almost wiped out by fire a year ago, has rebuilt 514 structures, costing \$4.800.000,

A Toledo woman recently ducked a man in a tub of water for beating his

It is reported that T. P. Sevan of Mendota, Ill., has successfully raised a puppy in an incubator.

For shingles alone 750,000,000 feet | Chas. Page of Tulsa, Oklahoma, has

An Italian professor claims to have found radium in dew.

Dogs have been trained to carry

the trenches in France.

Cucumbers pickled in Vodka (a tiery their families are sentenced to work liquor) are an important feature of diet in Russia.

The Labor Bureau of the London United States has grown until it now board of trade reports that in the nine menths of the war from August, 1914, to May, 1915, there were 305 At a unique dinner given in Toledo strikes in England affecting 76,124 600 working days.

> The pupils of the Philadelphia public schools are to be taught the act of twimming.

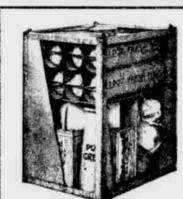
Prof. Ballod of Berlin University is in Germany's food supply amounts to only 12 per cent and that the attempt The people of the United States to starve out Germany has been a

TOO MODEST?

Michigan people are apt to think that when a manufacturer says, "My product is best," he means it, but maybe his enthusiasm makes the statement a trifle exaggerated. Therefore, it is interesting to find that one manufacturer is accused of being too modest in regard to his 68-year-old liniment. Messrs. Nicholson & Stuhr of Cheyenne, Wyo., says: "We know from personal experience that Hanford's Balsom of Myrch will do all and more than the Hanford Company claim for it."

Tiger Oil is Guaranted to Cure Aches, Pains, Cramps, Colds, Diarrhoea and Summer Diseases. Read Circular.

Sold by good druggists, also by Parcel Post in Dr. John Leeson, Cadillac, Michigan,



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Most flours lock very much alike as just merely flour. It's in the cooked result that the real worth of the flour shows and shows with a suddenness that is frequently surprising.

Nor is that result always agreeable. It will be if you use

"The flour the best cooks use."

For the results obtained from Lily White are always the same. No matter for what purpose—pastry, bread, biscuits, filly White is just as successful and that is as successful as can be,

Naturally under such circumstances Lily White is a most convenient and most economical flour. It is an all-purpose flour, made with great care and experience, from the selection of the different varieties of wheat from which it is made, through every process of the milling and sacking.

And, by the way, one of the best things about Lily White is in the sacking. The sacks are sewed to make them absolutely sanitary and deliver the flour to you perfectly clean.

Remember, with Lily White in the house you do not need or desire any other flour. Lily White answers all requirements.

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The Hist Potato Machine another 130 the first five days. Write for ery Co., Alliance, Ohio berries and free outlits. GEO. W. SOMERS.

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The probate, civil and criminal courts are congested with cases involving the betraval of trusts by individual trustees, executors, guardians and administrators where property or estates have been left to widows and orphans. All this can be avoided by naming in your will this company as executor, guardian or trustee.

Send for a blank form of will and booklet on descent and distribution of property.

THE MICHIGAN TRUST CO.

of Grand Rapids.

MICHIGAN NEWS BREVITIES

SHORT NEWS STORIES FROM ALL OVER OUR STATE

Twenty Levels Down in an Iron Mine. Any student who completes a course at the Michigan College of Mines has had a first-

hand experience with the actual details of mining such that he is useful to the company employing him from his first day on the job. At the very worst, there is no danger of his get-

ring lost, an experience that sometimes happens to young mining engineers with less exten-

sive experience. During the five weeks spentin the mines of the Iron Country, in practical

mine surveying and sketching, the students become to most intents and purposes actual miners and mining engineers. Because the graduates of the College of Mines are thus able to make themselves useful from the start, mining companies, especially those engaged in iron

and copper mining, have always looked to the College of Mines to supply them with new men. The big copper mining companies of South America, now opening up the largest cop-

per deposits in the world, are constantly seeking for M. C. M. to fill their vacancies.

Escanaba - Archie Nantelle, 23 held at Kalamazoo. years old, section foreman, is dead. Ann Arbor-University of Michi-

rehard of 48 acres.

nission has issued an order directing posed to be 100,420. the Grand Trunk railroad to erect a Lansing-The board of state audinew depot at Gregory.

Mitchell public library shows 12,004 ment to the regiment of Michigan books in the library, 425 of which sharpshooters in the Civil war at the were bought in the last year.

Ypsilanti - Mrs. Kate Thompson grounds. Normal college here.

Lansing-Attorney General Fellows Ypsilanti-Henry C. Rankin, comhas handed down an opinion in which mander-in-chief of the Michigan he holds that a person who runs into Grand Army of the Republic, died at and injures another while driving an his home here after a brief illness automobile in a careless and reckless of pneumonia. Mr. Rankin was nammer on the public highway, may elected head of the state G. A. R. less be charged with assault and battery, than a month ago at the convention

his wife is badly bruised and a friend gan alumni the country over-35,000 whose name is not known here has in number-are to be asked between i broken arm and internal injuries as now and October 31 to subscribe a a result of a gasoline speeder on the grand total of just one million dellars Beaver branch road, north of here, for the Michigan Union building that being struck by a heavy one train, has been talked of more or less during The speeder was carried a half mile the past decade. The strength of the on the pilot of the engine before the organization that has been built up to do the work is a very strong one, and Alpena-Fourteen hundred cherry while the task will not be easy, its fuland 450 apple trees have been planted lillment is already as good as assured. n the farm of Charles R. Henry of Lausing-George Wills of Grand

Alpena county. The farm now has an Haven has the highest numbered auto license plate of legal issue in the Lansing-The state railroad com- world. It is 1,000,420. It was sup-

tors by the passage of a resolution Hillsdale-The annual report of the has authorized the erection of a menusoutheast corner of the capitol

Westfall, wife of Dr. F. E. Westfall. Ann Arbor-Mystery surrounds the well known in this city, died at the death of Arthur Miller, whose dehome of her parents in Grand Rapids, capitated body was found on the Ann She was formerly a teacher at the Arbor railroad tracks at Whitmore lake. The body was found by a boy.